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PREMIUMS

OFFERED BY THE

SOCIETY

FOR THE ENCOURAGEMENT OF

ARTS, MANUFACTURES,

AND

COMMERCE,

IN THE

YEAR M.DCC.LXXXV.

TO THE

PUBLICK.

ADELPHI-BUILDINGS, *April* 11, 1785.

THE chief objects of the attention of the Society for the Encouragement of Arts, Manufactures, and Commerce, in the application of their Rewards, are, Ingenuity in the ſeveral branches of the Polite and Liberal Arts; uſeful diſcoveries and improvements in AGRICULTURE, MANUFACTURES, MECHANICKS, and CHEMISTRY, or the laying open any ſuch to the Publick; and, in general, all ſuch uſeful inventions, diſcoveries, or improvements, (though not mentioned in the Book of Premiums) as may appear to have a tendency to the advantage of Trade and Commerce. The Society therefore, in purſuance of their plan, propoſe to beſtow the following premiums.

Premiums

Premiums for Planting and Huſbandry.

1. ACORNS. For ſetting or ſowing the greateſt quantity of land, not leſs than ten acres, with Acorns, between the firſt day of October, 1784, and the firſt of January, 1785; and for fencing and preſerving the ſame effectually, in order to raiſe timber; the gold medal.

2. For the ſecond greateſt quantity of land, not leſs than five acres, ſet or ſown with acorns, agreeably to the above conditions, the ſilver medal.

CERTIFICATES of the ſetting or ſowing agreeably to the above conditions, and that there are not fewer than one thouſand plants on each acre, to be produced to the Society, on or before the firſt Tueſday in November, 1785.

3, 4. The ſame premiums are extended one year further; certificates to be produced on

on or before the firſt Tueſday in November, 1786.

5. RAISING OAKS. To the perſon who ſhall raiſe the greateſt number of Oaks, not fewer than five thouſand, either from young plants, or from acorns, in woods, parks, or foreſts, that have long been under timber, and effectually fence and preſerve the ſame, in order to ſecure a ſucceſſion of oak timber in this kingdom, the gold medal.

9. For the next greateſt quantity, not fewer than three thouſand, the ſilver medal.

CERTIFICATES and accounts to be produced on or before the firſt Tueſday in January, 1788.

7, 8. The ſame premiums are extended one year further.

CER-

CERTIFICATES to be produced on or before the firſt Tueſday in January, 1789.

9. CHESNUTS. For ſetting or ſowing the greateſt quantity of land, not leſs than ſix acres, with Spaniſh Cheſnuts, before the firſt day of May, 1785; and for effectually fencing and preſerving the ſame, in order to raiſe timber; the gold medal.

10. For the ſecond greateſt quantity, not leſs than four acres, the ſilver medal.

11. For the third greateſt quantity, not leſs than two acres, the ſilver medal.

CERTIFICATES of ſetting or ſowing agreeably to the above conditions (and that there are twelve hundred Spaniſh Cheſnut plants, at leaſt, on each acre), muſt be delivered to the Society on or before the firſt Tueſday in November, 1785.

12, 13,

12, 13, 14. The like premiums will be given for ſetting or ſowing Spaniſh Cheſnuts before the firſt of May, 1786.

CERTIFICATES to be delivered on or before the firſt Tueſday in November, 1786.

15. ELM. For planting the greateſt number of the Engliſh Elm, not leſs than eight thouſand, between the twenty-fourth of June, 1784, and the twenty-fourth of June, 1785; and for the effectually fencing and preſerving the ſame, in order to raiſe timber; the gold medal.

16. For the ſecond greateſt number, not leſs than five thouſand, the ſilver medal.

17. For the third greateſt number, not leſs than four thouſand, the ſilver medal.

CERTIFICATES of having planted agreeably to the above conditions, and ſpecifying the diſtance of the trees, muſt be delivered to the Society, on or before the firſt Tueſday in November, 1785.

18, 19, 20. The ſame premiums are extended one year further.

CERTIFICATES to be delivered on or before the firſt Tueſday in November, 1786.

21. LARCH. For planting out, from the twenty-fourth of June, 1784, to the twenty-fourth of June, 1785, at a diſtance not more than five feet, the greateſt number of Larch-trees, not leſs than five thouſand; the plants to be between two and four years old when planted out; and for effectually fencing and preſerving the ſame, in order to raiſe timber; the gold medal.

22. For

22. For the ſecond greateſt number, not leſs than three thouſand, the ſilver medal.

CERTIFICATES of planting according to the above conditions, to be delivered on or before the laſt Tueſday in November, 1785.

23, 24. The like premiums will be given, on the ſame conditions, for planting out Larch-trees, between the twenty-fourth of June, 1785, and the twenty-fourth of June, 1786.

CERTIFICATES to be produced on or before the laſt Tueſday in November, 1786.

25. HUNTINGDON WILLOW. For the greateſt number of acres, not leſs than three, planted in the year 1785, with Huntingdon Willows; the number of cuttings to be at leaſt one thouſand on each acre,

properly fenced and ſecured; the gold medal.

CERTIFICATES to be produced on or before the laſt Tueſday in December, 1785.

26. The ſame premium is extended one year further.

CERTIFICATES to be produced to the Society on or before the laſt Tueſday in December, 1786.

27. ALDER. For the greateſt number of acres, not leſs than ſix, planted in the year 1784, with Alders, to be at leaſt one thouſand on each acre, properly fenced and ſecured; the gold medal.

CERTIFICATES to be produced to the Society, on or before the laſt Tueſday in December, 1785, of the ſaid planting, and

and that the trees were then growing on the land.

28. The ſame premium is extended one year further.

CERTIFICATES to be produced on or before the laſt Tueſday in December, 1786.

29. UPLAND OR RED WILLOW. For the greateſt number of acres, not leſs than three, planted before the end of April, 1785, with Upland or Red Willow, properly fenced and ſecured, the number of plants on each acre to be at leaſt twelve hundred; the gold medal.

CERTIFICATES to be produced on or before the laſt Tueſday in April, 1786.

It is well known that this ſpecies of Willow thrives well on dry ſandy land.

30. The ſame premium is extended one year further.

CERTIFICATES to be produced on or before the laſt Tueſday in April, 1787.

31. ASH. For planting the greateſt number of acres, not leſs than ſix, in the year 1785, with Aſh for timber; the plants to be at leaſt two years old, properly ſecured and fenced; the number of plants on each acre to be at leaſt twelve hundred; the gold medal.

32. For the next greateſt number of acres, not leſs than four, the ſilver medal.

CERTIFICATES to be delivered on or before the ſecond Tueſday in March, 1786.

33, 34. The ſame premiums are extended one year further.

CER-

CERTIFICATES to be delivered on or before the ſecond Tueſday in December, 1787.

35. LOMBARDY, OR PO POPLAR. For planting, in the year 1784, the greateſt number of the Lombardy Poplar, or Po Poplar, properly fenced and ſecured, for raiſing timber; the gold medal.

CERTIFICATES to be produced on or before the ſecond Tueſday in November, 1785.

The quantity of land to be not leſs than ſix acres, and not fewer than twelve hundred plants on each acre.

N. B. This tree is called by ſome the Pine Poplar.

36. MIXED TIMBER TREES. To the perſon who ſhall encloſe, and plant or ſow the greateſt number of acres, not

leſs than ten, with the beſt ſorts of Foreſt Trees, for timber, between the firſt of October, 1784, and the firſt of May, 1786; and ſhall deliver to the Society an account of the methods uſed in making the plantations, together with proper Certificates that the trees are then in a thriving condition on the land; the gold medal.

The Accounts and Certificates to be produced to the Society on or before the firſt Tueſday in November, 1788.

37. The ſame premium is extended one year further.

Accounts and Certificates to be produced on or before the firſt Tueſday in November, 1789.

38. MULBERRY CUTTINGS. For raiſing the greateſt number of White or Black Mulberry Trees, for feeding Silkworms, not leſs than three hundred, from

from cuttings in the year 1785, the gold medal.

CERTIFICATES of the raiſing and growth, with the manner of culture, and that the plants were growing in September, 1788, to be produced on or before the firſt Tueſday in November, 1788.

39. MULBERRY CUTTINGS. To the perſon who ſhall form, in the year 1785, the largeſt plantation, not leſs than one acre of Mulberry Cuttings, for the purpoſe of feeding Silkworms, the gold medal.

CERTIFICATES of the quantity of land, and the method of culture, that the Mulberry Plants are not more than three feet aſunder, and that they were growing in the month of September, 1788, to be produced on or before the firſt Tueſday in December, 1788.

It is propoſed that this plantation be continually kept in a low ſtate, to the intent that the gathering the leaves may always be within the reach of women and children.

*** *The Candidates for planting all kinds of trees, are to certify, that the reſpective plantations are properly fenced and ſecured, and particularly to ſtate the condition, the plants were in at the time of ſigning ſuch Certificates.*

Any information which the Candidates for the foregoing premiums may chuſe to communicate, relative to the methods made uſe of in forming the plantations, or promoting the growth of the ſeveral trees, or any other obſervations that may have occurred on the ſubject, will be thankfully received.

40. TREES FOR USE WHEN EXPOSED TO THE WEATHER. To the perſon who ſhall ſend the moſt ſatisfactory

tisfactory account, verified by experiments, to determine which of the following trees is of the greateſt utility for timber or poles, for uſe when expoſed to the weather, viz.

Larch,	Black-Poplar,
Aſh,	Spaniſh-Cheſnut,
Willow,	Alder,
Lombardy-Poplar,	

The gold medal.

The Accounts to be produced on or before the ſecond Tueſday in December, 1785.

41. The ſame premium is extended one year further.

The Accounts to be produced on or before the ſecond Tueſday in December, 1786.

42. PRESERVING ACORNS. To the perſon who ſhall produce to the Society

ciety the moſt effectual method of preventing Acorns, when ſown or planted for timber, being injured by Mice; the gold medal.

The Accounts, verified by actual experiments, with proper Certificates that the methods made uſe of have been fully ſufficient for the purpoſe, to be produced on or before the laſt Tueſday in November, 1785.

43. PRESERVING CHESNUTS, and SEEDS of other FOREST TREES. To the perſon who ſhall produce to the Society, the moſt effectual method of preventing Cheſnuts, and the Seeds of other Foreſt-trees, when ſown or planted for Timber, being deſtroyed by Mice, the ſilver medal.

The Accounts, verified by actual experiments, with proper Certificates that the methods made uſe of have been fully ſufficient

ficient for the purpoſe, to be produced on or before the laſt Tueſday in November, 1785.

44, 45, 46. The premiums for preſerving Acorns, Cheſnuts, and other Seeds, are extended one year further; the Accounts to be produced on or before the laſt Tueſday in November, 1786.

47. PLANTING BOGGY OR MORASSY SOILS. For an account of the beſt ſet of experiments, ſent by the planter, or his repreſentative, to aſcertain the comparative advantages of planting boggy or moraſſy ſoils, with White Poplar, Black Poplar, Lombardy Poplar, and Willow; the gold medal.

It is required that not leſs than half an acre be planted with each, and the plants to be not more than four feet aſunder.

It is alſo required that the plantation ſtand fourteen years; at the end of which,

to

to be all cut down and meaſured, or accurately meaſured ſtanding. The Certificates of the meaſure and value, and that the whole is properly fenced and ſecured, to be produced on or before the firſt Tueſday in January, 1792.

N. B. Any information relating to the ſtate of the Plantation, if ſent to the Society, between the time of planting and claiming the premium, will be thankfully received.

48. The ſame premium is extended one year further.

CERTIFICATES to be produced on or before the firſt Tueſday in January, 1793.

49. The ſame premium is extended one year further.

CERTIFICATES to be produced on or before the firſt Tueſday in January, 1794.

50. The

50. The ſame premium is extended to the year 1796.

CERTIFICATES to be produced on or before the firſt Tueſday in January, 1797.

51. ROOTS OF CORN. To the perſon who ſhall aſcertain from obſervation, and by experiment, the ſucceſſion of the different Roots of Corn (diſtinguiſhing the times when ſuch ſucceſſion of roots takes place), particularly thoſe which ſhoot out at or near the time the plants go into ear; ſhewing alſo from facts, the injury ariſing from the failure of thoſe particular roots, and the moſt effectual means of preventing ſuch misfortune; the gold medal.

To be produced on or before the firſt Tueſday in January, 1786.

52. The ſame premium is extended one year further. Accounts to be delivered on or before the firſt Tueſday in January, 1787.

N. B. Theſe

N. B. Theſe premiums are extended to Scotland and Ireland.

53. COMPARATIVE CULTURE OF WHEAT. For the beſt ſet of experiments to aſcertain whether it is moſt advantageous to cultivate Wheat, by ſowing it in the common broad-caſt way, by drilling it in equidiſtant rows, or by dibbling, hoeing the intervals; the gold medal.

It is deſired that the diſtance between the rows, may not exceed eleven inches, and that an account of the nature and condition of the land on which the experiments are made, together with an account of the produce of the Corn, be produced to the Society, on or before the firſt Tueſday in February, 1786.

54. The ſame premium is extended one year further.

The

The Accounts to be produced to the Society, on or before the firſt Tueſday in February, 1787.

53. BEANS AND WHEAT. To the perſon who ſhall plant or drill, between the firſt of December, 1785, and the firſt of March, 1786, the greateſt quantity of land, not leſs than ten acres, with Beans, and ſhall ſow the ſame land with Wheat in the ſame year, 1786; ten guineas.

It is required that an Account of the ſort and quantity of Beans, the time of planting or drilling, and of reaping or mowing them, the produce per acre threſhed, the application of the ſtraw, the expence of planting or drilling, hand or horſe hoeing, the diſtance of rows, and the quality of the ſoil, together with Certificates of the number of acres, and that the land was actually ſown with Wheat in the year 1786, to be produced on or before the firſt Tueſday in November, 1787.

N. B. The Society have been informed that Beans may be drilled or planted ſo early as the month of December, from whence may be derived the advantage of an early harveſt; in which caſe, the ſtraw will be far more valuable than that from a latter planting or drilling.

54. TURNEPS. For the beſt account of experiments made on at leaſt ſix acres of land, to determine the comparative advantages of the drill or broad-caſt method in the cultivation of Turneps; the gold medal.

The Accounts to be delivered in, on or before the third Tueſday in April, 1786.

55. TURNEPS. For the beſt account of experiments made on at leaſt ſix acres of land, to determine the comparative advantages of the drill or broad-caſt method

method in the cultivation of Turneps; ten guineas.

The Accounts to be delivered in, on or before the third Tueſday in April, 1787.

56. GREEN VEGETABLE FOOD. For the beſt account, confirmed by experiments, of the Vegetable Food (Cabbages and Turneps excepted) growing in the months of March and April, that will moſt increaſe the milk in mares, cows, and ewes, at that ſeaſon; provided ſuch food can be cultivated at an expence that will admit of its being applied to the above purpoſes; the gold medal.

CERTIFICATES to be produced on or before the ſecond Tueſday in November, 1785.

57. The ſame premium is extended one year further.

CERTIFICATES to be produced on or before the ſecond Tueſday in November, 1786.

58. TURNEP-ROOTED CABBAGE. For raiſing, and having duly cultivated Turnep-rooted Cabbage, in the year 1783, for the feeding cattle or ſheep, on the greateſt number of acres, not leſs than ten; and giving an account of the ſoil, culture, time, and manner of feeding off, produce, and the effects on cattle or ſheep, fed with it; the gold medal.

59. For the next greateſt number of acres, not leſs than five, the ſilver medal.

CERTIFICATES of the quantity of land, with the accounts, to be produced on or before the laſt Tueſday in October, 1785.

60. The

60. The ſame premiums are extended one year further.

CERTIFICATES to be produced on or before the laſt Tueſday in October, 1786.

61. TURNEP-ROOTED CABBAGE. For raiſing, and having duly cultivated Turnep-rooted Cabbage, in the year 1785, for the feeding cattle or ſheep on the greateſt number of acres, not leſs than ten; and giving an account of the ſoil, culture, time, and manner of feeding off, produce, and the effects on cattle or ſheep fed with it; ten guineas.

62. For the next greateſt number of acres, not leſs than five, five guineas.

CERTIFICATES of the quantity of land, with the accounts, to be produced on or before the laſt Tueſday in October, 1787.

63. TURNEP-ROOTED CABBAGE. To the perſon who ſhall have raiſed in the year 1784, the greateſt quantity, per acre, of Turnep-rooted Cabbage, on not leſs than four acres; the gold medal.

CERTIFICATES of the number of acres, and produce by weight, free from leaves and dirt, and before houſing, with an account of the ſoil, preparation and culture, to be produced on or before the firſt Tueſday in November, 1785.

64. CULTIVATING ROOTS AND HERBAGE FOR FEEDING SHEEP AND BLACK CATTLE. For the moſt ſatisfactory experiments made between Michaelmas, 1785, and the firſt of May, 1786, in order to aſcertain which of the following plants can be cultivated and houſed, or otherwiſe ſecured for winter fodder, to the greateſt advantage, viz.

Turnep-

Turnep-rooted Cabbage, Carrots,
Turnep Cabbage, Parſnips,
Turneps, Potatoes;
The gold medal.

The Accounts to be produced on or before the firſt Tueſday in November, 1786.

It is required that the above roots be taken off the land by the laſt day of October, 1785; that a crop of Wheat may be ſown in the ſame ground, and the particulars of the ſowing and planting, taking up, produce, preſervation, and application to the feeding Sheep and Black Cattle, be ſpecified. The comparative experiments muſt be made between two or more of any of the abovementioned plants, and not leſs than two acres be cultivated with each particular kind of plant.

N. B. Great advantage will ariſe to the farmer occupying land in the neighbourhood of extenſive commons, from the

conveniency of keeping large flocks of ſheep, and herds of cattle, if the difficulty of ſupporting them through the winter was obviated by a due knowledge of this practice.

65. The ſame premium is extended one year further.

CERTIFICATES to be produced on or before the firſt Tueſday in November, 1787.

66. MANAGING BEES. To the perſon who ſhall produce to the Society the moſt ſatisfactory account, verified by experiments, of managing Bees to the greateſt advantage in this climate; the gold medal.

To be produced on or before the ſecond Tueſday in January, 1786.

67. CUL-

67. CULTIVATING THE TRUE RHUBARB. For raiſing, before the end of the year 1785, the greateſt number of plants, not leſs than three hundred, of Rheum Palmatum, or True Rhubarb; the gold medal.

68. For the next greateſt quantity, not leſs than two hundred plants, the ſilver medal.

CERTIFICATES of the number of plants, that they ſtand at leaſt ſix feet aſunder, that they have been in a thriving ſtate during the preceding ſummer, with an account of the ſoil, culture, and aſpect, to be produced on or before the ſecond Tueſday in February, 1786.

69, 70. The ſame premiums are extended one year further, the plants to ſtand at leaſt four feet aſunder.

CER-

CERTIFICATES to be produced on or before the ſecond Tueſday in February, 1787.

71. RHUBARB. For the greateſt quantity of Rhubarb of Britiſh growth, not leſs than twenty pounds weight, equal to ſuch as is commonly ſold in the ſhops, under the name of Turkey or Ruſſia Rhubarb; five pounds of which to be produced as a ſample, with certificates that the remainder is of equal goodneſs; and a particular account of the manner of culture, and cure, on or before the firſt Tueſday in November, 1785; the gold medal.

72. For the next greateſt quantity, not leſs than ten pounds weight, the ſilver medal.

73, 74. The ſame premiums are extended one year further. The ſamples and certificates to be produced on or before

fore the firſt Tueſday in November, 1786.

75. ASCERTAINING THE COMPONENT PARTS OF ARABLE LAND. To the perſon who ſhall produce to the Society the moſt ſatisfactory ſet of experiments, to aſcertain the due proportion of the ſeveral component parts of Arable Land, in one or more counties in Great Britain, by an accurate analyſis of it, and who, having made a like analyſis of ſome poor land, ſhall, by comparing the component parts of each, and thereby aſcertaining the deficiencies in the poor ſoil, improve a quantity of it, not leſs than two acres, by the addition of ſuch parts as the former experiments ſhall have diſcovered to be wanting therein, and therefore probably the cauſe of its ſterility; the gold medal.

It is required that the manurings, ploughings, and crops of the improved land,

land, be the ſame after the improvement as before; and that a minute account of the produce in each ſtate, of the weather, and of the various influencing circumſtances, together with the method made uſe of in analyſing the ſoils, be produced, with proper certificates, and the chymical reſults of the analyſes, which are to remain the property of the Society, on or before the laſt Tueſday in November, 1788.

It is expected that a quantity, not leſs than ſix pounds, of the rich, of the poor, and of the improved ſoils, be produced with the certificates.

N. B. Among the methods or proceſſes made uſe of by Chymiſts, and called *dry* or *moiſt*, the latter only appears adapted to the aſcertaining the reſpective proportions of the component parts of Arable Earth.—Dr. Shaw, in his Chymical Lectures; Dr. Home, in his Principles of

of Agriculture; Dr. George Fordyce, in his Elements of Agriculture; and Sir Torbern Bergman, in his *Diſſertation ſur les Terres géoponiques*, have treated of theſe ſubjects.

76. The ſame premium is extended one year further; the accounts to be produced on or before the laſt Tueſday in November, 1789.

77. The ſame premium is extended one year further; the accounts to be produced on or before the laſt Tueſday in November, 1790.

78. The ſame premium is extended one year further; the accounts to be produced on or before the laſt Tueſday in November, 1791.

79. IMPROVING LAND LYING WASTE. For the beſt account of a method of improving any of the following

lowing ſoils, being land lying waſte or uncultivated, viz. Clay, Gravel, Sand, Chalk, Moor, or Peat-earth, and Bog; verified by experiments on not leſs than ten acres of land, to be produced on or before the ſecond Tueſday in December, 1785; the gold medal for each.

80. For the next in merit, the ſilver medal.

The ſoil, manner of improvement, expence, and product, are required to be fully explained.

81, 82. The ſame premiums are extended one year further.

The Accounts to be produced on or before the ſecond Tueſday in December, 1786.

83, 84. The ſame premiums are extended one year further.

The

The Accounts to be produced on or before the ſecond Tueſday in December, 1787.

85. MANURES. To the perſon who ſhall give the moſt ſatisfactory account, verified by accurate experiments, on what ſoil the application of Marle, Chalk, Lime, or Clay, ſeverally, as manures, be moſt beneficial; the gold medal.

It is required that each experiment be made on one acre, and that they be continued four years, the ſame kind of Grain being ſown the ſame year on the ſeveral ſpots.

It is alſo required, that if different manures are compared, the experiments be made on ſimilar ſoils, lying near each other.

An account of the nature of the ſoil, manure, and the quantity laid on, with all

all expences and crops, to be delivered, with ſpecimens of the ſoil and manure, on or before the firſt Tueſday in January, 1786.

86. The ſame premium is extended one year further.

The accounts and ſpecimens to be produced on or before the firſt Tueſday in January, 1787.

87. The ſame premium is extended one year further.

The accounts and ſpecimens to be produced on or before the firſt Tueſday in January 1788.

88. MANURES. For the moſt ſatisfactory ſet of experiments, to aſcertain the comparative advantage of the following manures, uſed as Top-Dreſſings, on Graſs or Corn Land, viz. Soot, Coal-Aſhes,

Aſhes, Wood-Aſhes, Lime, Night-Soil; the gold medal.

It is required that not leſs than half an acre of land be appropriated to each Manure, the ſoils ſimilar, and lying near each other; and if the Manure be uſed on Corn Land, then it is required that the ſame kind of grain be ſown the ſame year on each ſpot; the experiments to be continued not leſs than two years.

An Account of the nature of the Soil, quantity, and expence of the Manure and Crops, with Certificates, to be produced on or before the firſt Tueſday in December, 1787.

89. ASCERTAINING THE BEST COURSE OF CROPS ON CLAY SOIL. To the perſon who ſhall give the moſt ſatisfactory account, verified by comparative experiments, in order to aſcertain the courſe of Crops, which, with

or without a fallow, ſhall, during the ſpace of eight years, prove moſt profitable, and ſhall leave the land in the beſt ſtate, on a Clay Soil; the gold medal, or fifty pounds.

It is required that ſuch comparative experiments be made on three acres at leaſt in each mode; the ſoil to be as contiguous and ſimilar as poſſible. An account of the ſoil, management, and crops, to be delivered on or before the firſt Tueſday in January, 1786.

90. COURSE OF CROPS ON STRONG LAND. For the moſt ſatisfactory account, verified by experiments, made on not leſs than five acres of Clay, or wet Loam, to aſcertain the advantages of the following courſe of crops, viz. Firſt, Beans drilled, or planted and hoed; Secondly, Wheat; the gold medal.

Theſe

Theſe experiments to be continued two courſes, or four years.

CERTIFICATES, with an account of the ſoil, culture, and quantity of manure, if any, laid on, to be produced on or before the laſt Tueſday in March, 1788.

N. B. The ſucceſs of this courſe of crops, much depending on the land being kept entirely clean, it is expected that each crop of the Beans be horſe-hoed or hand-hoed, at leaſt three times.

91. IMPROVING WASTE MOORS. For the improvement of the greateſt number of acres of Waſte Moor Land, not leſs than one hundred; the gold medal.

It is required that the land, before improvement, be abſolutely uncultivated, in a great meaſure uſeleſs, not let to any tenant, and without any building upon it, except cottages or huts; that, in its

improved ſtate, it ſhall be encloſed, cultivated, and divided into fields, with buildings erected thereon, ſufficient for the uſe and reſidence of a tenant.

CERTIFICATES of the number of acres, of the quality of the Moor ſo improved, of the mode and expence of the improvement; the ſtate it is in, as to the proportion of graſs to arable; and the rent at which it is let; to be produced on or before the firſt Tueſday in February, 1786.

92. The ſame premium is extended one year further.

CERTIFICATES to be produced on or before the firſt Tueſday in February, 1787.

93. The ſame premium is extended one year further.

CERTIFICATES to be produced on or before the firſt Tueſday in February, 1788.

94. GAIN-

94. GAINING LAND FROM THE SEA. To the perſon who ſhall produce to the Society an account of the beſt method, verified by actual experiment, of gaining Land from the Sea, not leſs than twenty acres, on the coaſt of England or Wales; the gold medal.

CERTIFICATES of the quantity of Land, and that the experiments were begun after the firſt of January, 1780, to be produced to the Society, on or before the firſt Tueſday in October, 1785.

N. B. The Society have been credibly informed, that Land has been gained on the coaſt of Holland, by fixing rows of whiſps of ſtraw upright in the ſand, at about a foot diſtant from each other, or by fixing ſtakes at proper diſtances from each other, and whattling ſtraw-bands between them.

95. The ſame premium is extended one year further.

CERTIFICATES to be produced on or before the firſt Tueſday in October, 1786.

96. The ſame premium is extended one year further.

CERTIFICATES to be produced on or before the firſt Tueſday in October, 1787.

97. The ſame premium is extended one year further.

CERTIFICATES to be produced on or before the firſt Tueſday in October, 1788.

98. The ſame premium is extended one year further.

CERTIFICATES to be produced on or before the firſt Tueſday in October, 1789.

99. DRILL

99. DRILL PLOUGH FOR HORSE BEANS. For the beſt Drill Plough for Horſe Beans only; being an improvement on thoſe already in the poſſeſſion of the Society, or generally known; to be produced to the Society, on or before the firſt Tueſday in January, 1786; the ſilver medal, or ten guineas.

It is expected the plough be ſtrong and cheap, no variation of depth or diſtance being required.

The Plough to which the premium is adjudged, is to become the property of the Society.

100. MACHINE TO ANSWER THE PURPOSE OF REAPING OR MOWING CORN. For inventing a Machine to anſwer the purpoſe of mowing or reaping Wheat, Rye, Barley, Oats, or Beans, by which it may be done more expeditiouſly and cheaper, than by any

method now practiſed, provided it does not ſhed the Corn or Pulſe, more than the methods in common practice, and that it lays the ſtraw in ſuch manner as may be eaſily gathered up for binding; ten guineas.

The Machine, with Certificates that at leaſt three acres have been cut by it, to be produced to the Society on or before the ſecond Tueſday in December, 1785.

Simplicity and cheapneſs in the conſtruction, will be conſidered as principal parts of its merit.

101. CURING SCAB IN SHEEP. To the perſon who ſhall diſcover to the Society the moſt efficacious method of curing the diſorder called the *Scab in Sheep*, verified by repeated trials; the ſilver medal, or ten guineas.

CER-

CERTIFICATES of the cure, with an account and deſcription of the diſeaſe, to be delivered to the Society, on or before the ſecond Tueſday in January, 1786.

102. DESTROYING THE GRUB OF THE COCKCHAFER. To the perſon who ſhall diſcover to the Society an effectual method, verified by repeated and ſatisfactory trials, of deſtroying the Grub of the Cockchafer, ſo deſtructive to the roots of all ſorts of Corn, Peaſe, Beans, and Turneps; the gold medal.

The Accounts to be produced on or before the firſt Tueſday in January, 1786.

Premiums

Premiums for Diſcoveries and Improvements in Chymiſtry, Dying, and Mineralogy.

103. KELP. For the greateſt quantity, not leſs than four tons, of Kelp, containing a much larger proportion of Alkaline Salt than any Kelp now made for ſale; twenty pounds.

A ſpecimen, of one hundred weight, to be produced on or before the firſt Tueſday in January, 1786; together with Certificates that the whole quantity is equal to the ſpecimen, and made in Great-Britain or Ireland, of Sea-weed.

104. BARILLA. For the greateſt quantity of merchantable Barilla, not leſs than half a ton, made from Spaniſh Kali, raiſed in Great-Britain; the gold medal.

A ſample, of not leſs than twenty-eight pounds, with a Certificate that half a ton has

has been made, to be produced on or before the firſt Tueſday in January, 1786.

105. PRESERVING SEEDS OF VEGETABLES. For the beſt method of preſerving the Seeds of Plants in a ſtate fit for vegetation, a longer time than has hitherto been practiſed, ſuch method being ſuperior to any known to the publick, and verified by ſufficient trial; to be communicated to the Society on or before the firſt Tueſday in December, 1785; the gold medal.

106. DESTROYING SMOKE. For the beſt account, aſcertained by proper experiments, of a method of deſtroying or burning the ſmoke of fires belonging to Steam-engines, Furnaces employed in calcining or ſmelting metals, or other large works, in order to prevent annoyance to the neighbourhood; to be produced on or before the firſt Tueſday in January, 1786; the gold medal.

107. SUB-

107. SUBSTITUTE OR PREPARATION OF YEAST. For diſcovering to the Society an effectual Subſtitute for Yeaſt, or Preparation of Yeaſt, for fermenting liquors, and raiſing bread, that may be preſerved for uſe, better than any hitherto generally known; the gold medal, or twenty pounds.

Specimens of the Subſtitute, or of the Preparation of Yeaſt, ſufficient for trials, together with a paper ſealed up, and containing an account of the compoſition of the Subſtitute, or method of preparing the Yeaſt, to be produced on or before the laſt Tueſday in November, 1785.

108. INCREASING STEAM. To any perſon who ſhall diſcover to the Society a method, verified by actual experiments, of encreaſing the quantity, or the force, of Steam, in Steam-Engines, with leſs fuel than is uſually employed, provided that in general the whole amount

of

of the expences in uſing Steam-Engines may be conſiderably leſſened; the gold medal.

To be communicated to the Society on or before the firſt Tueſday in January, 1786.

N. B. As it is well known there are methods of preventing the ebullition of liquids, by the addition of particular matters in the boiling, it is ſubmitted to the conſideration of the ingenious, whether, by the addition of ſome matters, or by ſome mechanical operations, the boiling and evaporation may not be increaſed.

109. The ſame premium is extended one year further. To be communicated to the Society on or before the firſt Tueſday in January, 1787.

110. METHOD

110. METHOD OF COMPARING SWEETS. To the perſon who ſhall diſcover to the Society an Index or practical method of comparing, meaſuring, and aſcertaining the degrees of Sweetneſs in ſaccharine ſubſtances; the gold medal.

To be produced on or before the firſt Tueſday in January, 1786.

111. PREVENTING THE DRY ROT IN TIMBER. To the perſon who ſhall diſcover to the Society, the cauſe of the Dry Rot in Timber, and diſcloſe a certain method of prevention, ſuperior to any hitherto known; the gold medal.

The accounts of the cauſe and method of prevention, confirmed by repeated experiments, to be produced to the Society on or before the ſecond Tueſday in December, 1785.

112. The

112. The ſame premium is extended one year further.

The Accounts to be produced on or before the ſecond Tueſday in December, 1786.

113. BRONZE FOR COPPER MEDALS. To the perſon who ſhall diſcover to the Society a method of bronzing Copper Medals, equal to that practiſed in France; the gold medal.

To be produced to the Society on or before the ſecond Tueſday in December, 1785.

Premiums

Premiums for Promoting the Polite Arts.

114. HONORARY PREMIUMS FOR DRAWINGS. For the beſt drawing of any kind, made with crayons, chalk, black lead, pen, Indian ink or biſter, by young gentlemen under the age of twenty-one, ſons or grandſons of Peer or Peereſſes, in their own right, of Great-Britain or Ireland; to be produced on or before the firſt Tueſday in March, 1786; the honorary medal of the Society in gold.

115. The ſame in ſilver for the ſecond in merit.

116, 117. The ſame premiums will be given, on the like conditions, to young ladies, daughters or grand-daughters of Peers or Peereſſes, in their own right, of Great-Britain or Ireland.

118. HONO-

118. HONORARY PREMIUMS FOR DRAWINGS. For the beſt drawings of any kind, made with crayons, chalk, black lead, pen, Indian ink, or biſter, by young gentlemen under the age of twenty-one; the gold medal.

To be produced on before the firſt Tueſday in March, 1786.

119. For the next in merit; the ſilver medal.

120, 121. The ſame premiums will be given for drawings by young ladies.

N. B. Perſons profeſſing any branch of the Polite Arts, or any buſineſs dependent on the arts of deſign, or the ſons or daughters of ſuch perſons, will not be admitted candidates in theſe claſſes.

The following Premium is offered in conformity to the Will of the late John Stock, of Hampſtead, Eſq.

122. DRAWING OF STATUES. For the beſt-finiſhed Drawing, after the Statues of Mars and Venus, executed by Mr. Bacon, in the Society's poſſeſſion, the figures to be not leſs then ſixteen inches high, to be made with chalk, black lead, pen, or Indian ink; and to be produced on or before the third Tueſday in October, 1785; the ſilver medallion, with the following engraved inſcription: *The Premium given by the Society for the Encouragement of Arts, Manufactures, and Commerce, in conformity to the Will of John Stock, of Hampſtead, Eſq.*

N. B. Such candidates as propoſe to draw for this premium, will be admitted by the Regiſter, any day, Sundays excepted, from twelve to two, from Monday

day June 13th, to Saturday October 8th, 1785, inclusive.

The drawing to which the premium is adjudged is to remain the property of the Society.

123. DRAWINGS OF OUTLINES. For the best Outline after an original group or cast in plaster of human figures, by persons of either sex under the age of sixteen, the principal figure not less than twelve inches; to be produced on or before the last Tuesday in October, 1785; the greater silver pallet.

124. For the next in merit, the lesser silver pallet.

N. B. These drawings are to be made on paper with chalk, black lead, Indian ink, or bister; and the originals either to be produced to the Society, or to be referred to for their examination.

125. DRAWINGS AFTER PICTURES. For the beſt drawing after a Picture of a Group of Human Figures, the principal figure not leſs than ſixteen inches, by perſons of either ſex under the age of ſixteen; to be produced on or before the laſt Tueſday in October, 1785; the greater ſilver pallet.

126. For the next in merit, the leſſer ſilver pallet.

The drawings to be made with Indian ink, chalk, or black lead, and of a different ſize from the original, which muſt be produced at the ſame time.

127. DRAWINGS OF MACHINES. For the beſt perſpective drawing, by perſons of either ſex, under the age of twenty-one years, of the Piedmont Silk-Reel, in the Society's Repoſitory, the greater ſilver pallet; to be produced on

or

or before the third Tueſday in October, 1785.

N. B. Such candidates as propoſe to draw for this premium will be admitted by the Regiſter any day (Sundays or Wedneſdays excepted) between the hours of ten and two.

The drawing to which the premium is adjudged, is to remain the property of the Society.

128. DRAWINGS OF BEASTS. For the beſt drawing and compoſition of three or more Beaſts after nature, the principal figure to be not leſs than eighteen inches, by perſons of either ſex, under the age of eighteen years; to be made with chalk, black lead, pen, Indian ink, biſter, crayons, or water-colours; to be produced on or before the third Tueſday in October, 1785; the greater ſilver pallet.

129. For the next in merit, the leſſer ſilver pallet.

130. DRAWINGS OF BIRDS. For the beſt drawing and compoſition after nature of not leſs than three different Birds, to be made with crayons or water-colours, by perſons of either ſex, under the age of eighteen years; to be produced on or before the third Tueſday in October, 1785; the greater ſilver pallet.

131. For the next in merit, the leſſer ſilver pallet.

132. DRAWINGS OF FRUIT, FLOWERS, OR PLANTS. For the beſt drawing, after nature, of Fruit, Flowers, or Plants, to be made with crayons, or water-colours, by perſons of either ſex, under the age of ſixteen; to be produced on or before the third Tueſday in October, 1785; the greater ſilver pallet.

133. For the next in merit, the leſſer ſilver pallet.

134. DRAW-

134. DRAWINGS OF LANDSCAPES. For the beſt drawing of Landſcapes after nature, by perſons of either ſex, under twenty-one years of age; to be produced on or before the third Tueſday in October, 1785; the greater ſilver pallet.

135. For the next in merit, the leſſer ſilver pallet.

Each candidate muſt mention, on the front of his drawing, from whence he took his view; and the drawings muſt be made with chalk, pen, Indian ink, or biſter.

136. HISTORICAL DRAWINGS. For the beſt Hiſtorical Drawing, being an original compoſition of five or more human figures; the height of the principal figure not leſs than eight inches; to be made with crayons, chalk, black lead, pen, Indian ink, or biſter, and to

be produced on or before the third Tueſday in October, 1785; the gold pallet.

137. For the next in merit, the greater ſilver pallet.

To the Maſters of Academies or Schools.

138. TEACHING LANGUAGES. Whereas it has been obſerved that the living languages, or languages ſpoken in ſchools, are much ſooner acquired than the dead languages, which are only taught grammatically;

The Society, deſirous to improve the preſent mode of education, hereby offers the gold medal to the Maſter of any Academy, or School for boys, ſituated within, or not more than thirty miles diſtant from London, who ſhall, within three years from the date of this advertiſement, teach the greateſt number of ſcholars, not leſs than four, to write, and to ſpeak Latin, in common converſation, correctly and fluently.

139, 140, 141. Alſo the gold medal for teaching, in the like manner, each

each of the following languages, viz. the German, the Spaniſh, and the Italian, being commercial languages, not uſually taught at ſchools in England.

The maſters who propoſe to be candidates for the above premiums, are to ſend notice of their intention to claim them, to the Society, at their houſe in the Adelphi, on or before the the ſecond Tueſday in November, 1786; ſoon after which, the Society will appoint a day for examining the young gentlemen, and for adjudging the ſaid claims.

142, 143, 144. And in order to encourage aſſiduity in the ſcholars, whoſe maſters apply for the above premiums, the Society will give to the greateſt proficient in each of the ſaid languages, the ſilver medal.

N. B. Any information for the further improvement of the education of youth, in languages, will be thankfully received.

CONDI-

CONDITIONS.

No perſon who has gained the firſt premium in any claſs, will be admitted a candidate in a claſs of an inferior age; and no candidate ſhall receive more than one premium in one year; nor will they who, for two ſucceſſive years, ſhall gain the firſt premium in one claſs, be ever again admitted as candidates in that claſs.

No perſon ſhall ever be admitted a candidate in any claſs, in which he has three times obtained the whole of the firſt premium.

No candidate ſhall ſend in more than one performance in any one claſs.

All the claims which are produced each year, before the Committee of Polite Arts (to which premiums or bounties are adjudged) are to remain with the Society ſix weeks after the determination, unleſs the

the candidates, for particular reaſons, do apply to have the performance returned.

No claim for a premium in the Polite Arts will be admitted, that has obtained, or has been produced in order to obtain a premium, reward, or gratification, from any other Society, or any academy or ſchool.

All performances that obtain premiums in the Polite Arts, muſt be begun after the publication of ſuch premiums.

Purpoſely to encourage real merit, and to prevent any attempts to impoſe on the Society, by producing drawings which ſhall have been made or retouched by any other perſon than the candidate, the Society is reſolved upon all occaſions, with reſpect to the ſucceſsful candidates in claſſes 122 to 137 incluſive, to prove their abilities, by requiring a ſpecimen made under the inſpection of the Committee of Polite Arts, in every inſtance where ſuch proof can be obtained.

Premiums

Premiums for encouraging and improving Manufactures.

145. SILK. For the greateſt quantity of merchantable Silk, not leſs than five pounds, produced by any one perſon in England, in the year 1785; the gold medal.

Specimens of the Silk, not leſs than one pound, with Certificates that the whole is of equal quality, and produced in England, to be delivered to the Society on or before the firſt Tueſday in January, 1786.

146. For the ſecond greateſt quantity, not leſs than two pounds, the ſilver medal.

147. MACHINE FOR CARDING SILK. For the beſt machine, ſuperior to any now in uſe, for carding waſte Silk equally well as by hand; to be produced, together

together with a ſpecimen of the Cardings, on or before the firſt Tueſday in November, 1785; the gold medal, or twenty pounds.

148. WEAVING FISHING-NETS. For the beſt ſpecimen of plain netting, for Fiſhing-Nets, not leſs than twenty yards long and ſix feet deep, woven in a loom, or other machine; to be produced to the Society on or before the ſecond Tueſday in January, 1786; twenty guineas.

N. B. It is expected that the ſpecimen produced, be made in ſuch a manner, as to be cut and joined without more loſs than uſual; that it have ſuch a plain ſelvage as the common fiſhing-nets; and that the knot be equally faſt with thoſe in nets in common uſe, and as eaſily repaired.

149. PAPER

149. PAPER FOR COPPER-PLATES. To the perſon who ſhall eſtabliſh in England or Wales, a manufacture of paper, equal to the paper imported from France, proper for receiving impreſſions from mezzotinto, and other engraved copper-plates, and produce to the Society one ream, of the dimenſions of the French *ſuper-royal*, on or before the firſt Tueſday in November, 1785; the gold medal.

CERTIFICATES muſt be produced, to the ſatisfaction of the Society, that the paper was made in England or Wales.

150. A ſtrong CLOTH being prepared in SWEDEN, from HOP STALKS or BINDS, the Society will give the gold medal, or twenty pounds, as a premium for the beſt and greateſt quantity of ſuch Cloth, not leſs than twenty-five yards, made in England, and produced to the Society

Society on or before the ſecond Tueſday in December, 1787.

One pound at leaſt of the Thread to be produced with the claim.

Premiums

Premiums for Inventions in Mechanicks.

151. TRANSIT INSTRUMENT. To the perſon who ſhall invent and produce to the Society, a cheap and portable Tranſit inſtrument, which may eaſily be converted into a Zenith Sector, capable of being accurately and expeditiouſly adjuſted for the purpoſes of finding the latitudes and longitudes of places, and ſuperior to any portable Tranſit inſtrument now in uſe; the gold medal; to be produced on or before the laſt Tueſday in January, 1786.

152. GUN HARPOON. For every Whale taken by means of the Gun Harpoon, to the perſon who firſt ſtrikes ſuch fiſh therewith, two guineas.

N. B. Proper Certificates of the taking ſuch Whales, in the year 1785, ſigned by the maſter, or by the mate when

the claim is made by the maſter, to be delivered to the Society on or before the laſt Tueſday in December, 1785.

153. GUN FOR THROWING HARPOONS. To the perſon who ſhall produce to the Society, the beſt improvement in the conſtruction of a Gun for throwing Harpoons, ſo as to render it more manageable than thoſe at preſent in uſe; the ſilver medal, or ten guineas.

To be delivered to the Society on or before the firſt Tueſday in December, 1785.

154. HARPOON TO BE THROWN BY A GUN. To the perſon who ſhall produce to the Society, the beſt improvement in the conſtruction of a Harpoon to to be thrown by a Gun; the Harpoon to be ſo contrived, that it may ſtrike and hold the fiſh with more certainty and greater effect than any hitherto made uſe of; the ſilver medal, or ten guineas.

To

To be delivered to the Society on or before the firſt Tueſday in December, 1785.

155. MACHINE FOR TRANSPORTING TIMBER. To the perſon who ſhall produce to the Society a model of the beſt, moſt ſimple, and cheap Machine or Carriage for tranſporting Timber, or other heavy materials, on ſoft or clayey roads, at the leaſt expence; to be ſent in on or before the laſt Tueſday in November, 1785; twenty guineas.

156. IMPROVEMENT OF THE HAND VENTILATOR. To the perſon who ſhall produce to the Society, on or before the laſt Tueſday in February, 1786, a portable Ventilator, to be worked by hand, better adapted and more efficacious for extracting foul air from gaols, priſons and ſhips, than any now known or in uſe; the gold medal.

157. ENGINE FOR WORKING LOOMS. To the perſon who ſhall invent and conſtruct an Engine for the purpoſe of working at one time, the greateſt number of looms, not fewer than three, for weaving ſilk, woollen, linen, or cotton goods (equally well, and more expeditiouſly than by hand, or by any other method now in uſe), each piece to be not leſs than half a yard wide; the gold medal, or thirty guineas.

CERTIFICATES of the working ſuch Engine, with ſamples, not leſs than one yard long, to be produced on or before the firſt Tueſday in January, 1786.

158. CRANES FOR WHARFS. To the perſon who ſhall invent and produce to the Society, a model of a Crane for Wharfs, on a ſcale of not leſs than one inch to a foot, the conſtruction to be ſuch, that the power may be varied according to the weight to be raiſed, in a more

more ſimple and effectual manner than by any now known or in uſe; the gold medal, or twenty guineas.

To be produced on or before the firſt Tueſday in February, 1786.

N. B. The model ſhould neither be of the walking wheel nor capſtan kind.

159. MACHINE FOR CLEARING RIVERS. For the beſt model of a machine, ſuperior to any now in uſe, for Clearing Navigable Rivers from Weeds, at the leaſt expence; ten guineas.

To be produced to the Society on or before the firſt Tueſday in February, 1786.

Premiums offered for the Advantage of the Britiſh Colonies.

160. NUTMEGS. For the greateſt quantity of merchantable Nutmegs, not leſs than five pounds weight, being the growth of his Majeſty's dominions in the Weſt Indies, and nearly equal to thoſe imported from the iſlands of the Eaſt-Indies; the gold medal, or one hundred pounds.

Satisfactory certificates from the governor, lieutenant-governor, preſident of the council, or ſpeaker of the houſe of aſſembly, of the place of growth, with an account of the number of trees, their age, nearly the quantity of fruit on each tree, and the manner of culture, to be produced on or before the firſt Tueſday in January, 1786.

161. The

161. The ſame premium is extended one year further.

CERTIFICATES to be produced on or before the firſt Tueſday in January, 1787.

N. B. Any perſon deſirous of information on the ſubject of Nutmeg Trees, may obtain it from a memorial on the fructification of the Nutmeg, and the ſureſt method of cultivating it to advantage, by the King's Gardener, at the Iſle of Bourbon, inſerted in Mr. Maty's Review, for Auguſt, 1783.

162, 163. BREAD-FRUIT TREE. To the perſon or perſons who, between the firſt of June, and the fifteenth of Auguſt, 1786, ſhall bring into the port of London the greateſt number of plants of one or both ſpecies of the Bread-Fruit Tree, in a growing ſtate, not leſs than three of either ſpecies; the gold medal.

164, 165. The ſame premiums are extended one year further; the plants to be brought into the port of London, between the firſt of June, and the fifteenth of Auguſt, 1787.

N. B. The plants which obtain the premiums are to be the property of the Society, to be diſpoſed of according to their diſcretion.

THE SOCIETY being informed that a conſiderable quantity of oil can be obtained from the Seed of Cotton, and that, after the expreſſion of the oil, the remaining cake will afford a ſtrong and hearty food for cattle; and likewiſe, that the apparatus for the operation can be applied to the mill for ſugar-canes, and worked in the rainy ſeaſon, at a moderate expence, have reſolved, for the foregoing reaſons, that the procuring oil from the Seed of Cotton is a proper object of a premium, conſidered as an encouragement

ment for Planters to extend the cultivation of Cotton, an article eſſentially requiſite to increaſe the manufacture of that commodity in this country.

The Society therefore offer as follows:

166. OIL FROM COTTON SEED. To the Planter in any of the Britiſh Iſlands of the Weſt Indies, who ſhall expreſs oil from the Seed of Cotton, and make from the remaining ſeed hard and dry cakes, as food for cattle; the gold medal.

CERTIFICATES that not leſs than one ton of the oil has been expreſſed, and five hundred weight of the cakes obtained, to be produced to the Society, with two gallons of the oil, and two dozen of the cakes, together with a full account of the proceſs, on or before the laſt Tueſday in November, 1785.

167. For

167. For the next greateſt quantity, not leſs than half a ton, of oil, and two hundred weight of the cakes; the ſilver medal.

168, 169. The ſame premiums are extended one year further.

CERTIFICATES and ſamples to be produced on or before the laſt Tueſday November, 1786.

170, 171. The ſame premiums are extended one year further.

CERTIFICATES and ſamples to be produced on or before the laſt Tueſday in November, 1787.

172. SPIRIT FROM THE PULP OF THE COFFEE BERRY. To the Planter in any of the Britiſh Iſlands in the Weſt Indies, who ſhall diſtill the greateſt quantity of Spirit, from the Pulp of the Coffee

Coffee Berry, not leſs than thirty gallons, and produce to the Society one gallon of the Spirit, together with an account of the proceſs uſed in the making it; the gold medal.

173. For the next greateſt quantity, not leſs than fifteen gallons; the ſilver medal.

CERTIFICATES, ſigned by the governor, lieutenant-governor, or ſome perſons of known credit in the iſland, to be delivered to the Society on or before the firſt Tueſday in January, 1786.

174. The ſame premiums are extended one year further.

CERTIFICATES and ſamples to be produced on or before the firſt Tueſday in January, 1787.

175. SENNA.

175. SENNA. To the perſon who ſhall import into the port of London, in the year 1786, the greateſt quantity of Senna, not leſs than two hundred weight, the growth of any of the Britiſh Iſlands in the Weſt Indies, and equal to the *Alexandrian Senna*, now uſed for medicinal purpoſes; the gold medal.

CERTIFICATES of the growth and method of culture, to be produced to the Society, on or before the firſt Tueſday in February, 1787.

176. The ſame premium is extended one year further.

CERTIFICATES to be produced on or before the firſt Tueſday in February, 1788.

GENERAL

GENERAL CONDITIONS.

Notwithſtanding the Society reſerve to themſelves the power of giving, in all caſes, ſuch part only of any premium as the performance ſhall be adjudged to deſerve, or of withholding the whole, if there be no merit; yet the Candidates may be aſſured, the Society will always judge liberally of their ſeveral claims.

It is required, that the matters for which premiums are offered, be delivered in without names, or any intimation to whom they belong; that each particular thing be marked in what manner each claimant thinks fit, ſuch claimant ſending with it a paper ſealed up, having on the outſide a correſponding mark, and on the inſide the claimant's name and addreſs.

No papers ſhall be opened, but ſuch as ſhall gain premiums, unleſs where it appears to the Society abſolutely neceſſary for the determination of the claim: all the reſt ſhall be returned unopened, with the matters to which they belong, if inquired after by their marks within two years; after which time, if not demanded, they ſhall be publicly burnt, unopened, at ſome meeting of the Society.

All models of machines, which obtain premiums or bounties, for the future, ſhall be the property of the Society.

All the premiums of this Society are deſigned for that part of Great Britain called England, the dominion of Wales, and the town of Berwick upon Tweed, unleſs expreſsly mentioned to the contrary.

The claims ſhall be determined as ſoon as poſſible after the delivery of the ſpecimens.

No

No perſon ſhall receive any premium, bounty, or encouragement, from the Society, for any matter for which he has obtained, or propoſes to obtain, a patent.

A candidate for a premium, or a perſon applying for a bounty, being detected in any diſingenuous method to impoſe on the Society, ſhall forfeit ſuch premium or bounty, and be deemed incapable of obtaining any for the future.

The performances which each year obtain premiums or bounties, are to remain with the Society until the end of May, except as mentioned in the conditions annexed to the premiums offered for promoting the Polite Arts.

No member of this Society ſhall be a candidate for, or entitled to receive any premium, bounty, or reward whatſoever, except the honorary medal of this Society.

Where

Where Certificates are required to be produced in claim of premiums, they ſhould be expreſſed as nearly as poſſible in the words of the reſpective advertiſements, and ſhould not be from the candidate (ſolely), but from ſome other perſon, or perſons, who have a poſitive knowledge of the facts certified.

Where premiums, or bounties, are obtained, in conſequence of ſpecimens produced, the Society mean to retain ſuch part as they may judge neceſſary, making a reaſonable allowance for the ſame.

No Candidates ſhall be preſent at any meetings of the Society or Committees, or admitted at the Society's rooms, after they have delivered in their claims, till ſuch claims are adjudged, unleſs ſummoned by the Committee.

N. B. Any information or advice that may forward the deſigns of this Society for

for the publick good, will be received thankfully, and duly conſidered, if communicated by letter, addreſſed to the Society, and directed to Mr. More, the Secretary, at the Society's Office, in the Adelphi Buildings, London.

*** In caſe any perſon ſhould be inclinable to leave a ſum of money to this Society, by will, the following form is offered for that purpoſe.

Item. I give and bequeath unto A. B. and C. D. the ſum of upon condition and to the intent, that they, or one of them, do pay the ſame to the Collector, for the time being, of a Society in

 London,

London, who now call themſelves the Society for the Encouragement of Arts, Manufactures, and Commerce; which ſaid ſum of I will, and deſire may be paid out of my perſonal eſtate, and applied towards carrying on the laudable deſigns of the Society.

By order of the Society,

SAMUEL MORE, Secretary.